

846 Inventory Inquiry/Advice

Functional Group ID= **IB**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

Notes:

1. Organizations use this transaction set to request and/or report asset status and inventory balance information.

2. Use a single occurrence of this transaction set to exchange transactions with a single or multiple organizations. Use one occurrence of this transaction set to transmit a single or multiple transactions.

Heading:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>		<u>Repeat</u>	<u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
Not Used	040	CUR	Currency	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	O	20		
LOOP ID - N1						5	
Must Use	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	O	1		
Not Used	120	REF	Reference Identification	O	12		
Not Used	130	PER	Administrative Communications Contact	O	3		
LOOP ID - LM						10	
Not Used	140	LM	Code Source Information	O	1		
Not Used	150	LQ	Industry Code	M	100		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			10000	
Must Use	010	LIN	Item Identification	M	1		
Not Used	030	PID	Product/Item Description	O	200		
Not Used	040	MEA	Measurements	O	40		
Not Used	050	PKG	Marking, Packaging, Loading	O	25		
Must Use	100	DTM	Date/Time Reference	O	10		
Not Used	110	CTP	Pricing Information	O	25		
Not Used	120	CUR	Currency	O	1		
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Must Use	140	REF	Reference Identification	O	>1		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	220	SDQ	Destination Quantity	O	500		
Not Used	230	MAN	Marks and Numbers	O	1		
Not Used	235	UIT	Unit Detail	O	5		
Not Used	240	CS	Contract Summary	O	1		
	250	DD	Demand Detail	O	>1		
Not Used	255	G53	Maintenance Type	O	1		
Not Used	256	PCT	Percent Amounts	O	>1		
Not Used	257	LDT	Lead Time	O	12		
			LOOP ID - LM			10	
	260	LM	Code Source Information	O	1		
Must Use	270	LQ	Industry Code	M	100		
			LOOP ID - SLN			1000	
Not Used	280	SLN	Subline Item Detail	O	1		
Not Used	290	PID	Product/Item Description	O	200		
Not Used	300	MEA	Measurements	O	40		
Not Used	310	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - MAN			100	
Not Used	312	MAN	Marks and Numbers	O	1		
Not Used	314	MEA	Measurements	O	40		
			LOOP ID - QTY			99	
	320	QTY	Quantity	O	1		
Not Used	330	UIT	Unit Detail	O	12		
Not Used	340	MEA	Measurements	O	25		
Not Used	350	LDT	Lead Time	O	12		
Not Used	355	DTM	Date/Time Reference	O	10		
			LOOP ID - SCH			25	
Not Used	360	SCH	Line Item Schedule	O	1		
Not Used	370	MEA	Measurements	O	25		
			LOOP ID - LM			>1	
	375	LM	Code Source Information	O	1		
Must Use	376	LQ	Industry Code	M	100		

846I Inventory Inquiry/Advice (Asset Status Inquiry/Report)

	380	LS	Loop Header	O	1	
			LOOP ID - REF		>1	
	390	REF	Reference Identification	O	1	n1
	400	DTM	Date/Time Reference	O	>1	
	410	N1	Name	O	1	
			LOOP ID - LM		10	
Not Used	420	LM	Code Source Information	O	1	
Not Used	430	LQ	Industry Code	M	100	
	440	LE	Loop Trailer	O	1	
			LOOP ID - N1		200	
	450	N1	Name	O	1	
Not Used	460	N2	Additional Name Information	O	2	
Not Used	470	N3	Address Information	O	2	
Not Used	480	N4	Geographic Location	O	1	
Not Used	490	REF	Reference Identification	O	12	
Not Used	500	PER	Administrative Communications Contact	O	3	

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Not Used	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The REF loop conveys serial number, lot number, and inventory data.
2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		846 X12.28 Inventory Inquiry/Advice	
Must Use	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	

Segment: **BIA** Beginning Segment for Inventory Inquiry/Advice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set
Syntax Notes:
Semantic Notes:

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.
- 3 BIA05 identifies the time of the inquiry/advice that is transferred.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BIA01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			77 Simulation Exercise	
			<i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i>	
Must Use	BIA02	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item	
			TI Asset Status Inquiry	
			<i>Use to identify a request for asset information.</i>	
			TJ Asset Status Advice	
			<i>Use to identify an asset status report.</i>	
Must Use	BIA03	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			<i>Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>	
Must Use	BIA04	373	Date	M DT 6/6
			Date (YYMMDD)	
			<i>Use to indicate the transaction set preparation date. This date</i>	

			<i>corresponds to the Universal Time Coordinate (UTC).</i>	
Must Use	BIA05	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			<i>1. Express the originating activity's time of transaction set preparation in UTC.</i>	
			<i>2. Express time in a four-position (HHMM) format.</i>	
Not Used	BIA06	306	Action Code	O ID 1/2
			Code indicating type of action	

Segment:	N1 Name
Position:	080
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<i>Must use this 1/N1/080 loop to identify the organization originating the transaction set.</i>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			<i>Use only one of codes SB or Z4.</i>	
		SB	Storage Area	
			<i>Use to indicate a depot or storage activity.</i>	
		Z4	Owning Inventory Control Point	
			An inventory control organization responsible for management of a particular item	
Not Used	N102	93	Name	X AN 1/35
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC)	
			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	

Must Use	N104	67	Identification Code Code identifying a party or other code	X	AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O	ID 2/2
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O	ID 2/2

FR

Message From

*Must use in conjunction with the appropriate
1/N101/080 code to indicate the organization cited
in N104 is originating the transaction set.*

Segment:	LIN Item Identification
Position:	010
Loop:	LIN Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<i>Must use the 2/LIN/010 loop to identify the material, transaction number, and inventory information associated with asset status reporting.</i>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	LIN01	350 Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
Must Use	LIN02	235 Product/Service ID Qualifier	M	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		<i>Use only one of codes A1, A2, A4, FS, or MG to identify the item of inventory. Must use the National Stock Number (NSN) when known.</i>		
		A1 Plant Equipment Number		
		Item identifier is a plant equipment number		
		<i>Use to identify plant equipment.</i>		
		A2 Department of Defense Identification Code (DoDIC)		
		Qualifies a code that uniquely identifies a type of		

				explosive or ammunition
				<i>Use to identify ammunition items.</i>
		A4		Subsistence Identification Number
				Item identifier is a brand-name resale subsistence item
				<i>Use to identify subsistence items.</i>
		FB		Form Number
				<i>Use to identify the form stock number.</i>
		FS		National Stock Number
				<i>Must use the NSN when known.</i>
		MG		Manufacturer's Part Number
				<i>Use to identify nonstandard material.</i>
		YP		Publication Number
				<i>Use to identify the publication stock number.</i>
Must Use	LIN03	234	Product/Service ID	M AN 1/40
				Identifying number for a product or service
	LIN04	235	Product/Service ID Qualifier	X ID 2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID (234)
			ZB	Commercial and Government Entity (CAGE) Code
				A code that identifies a commercial contractor authorized to do business with the U.S. government
				<i>Use only with LIN02 code MG to uniquely identify a manufacturer's part number.</i>
	LIN05	234	Product/Service ID	X AN 1/40
				Identifying number for a product or service
Not Used	LIN06	235	Product/Service ID Qualifier	X ID 2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Not Used	LIN07	234	Product/Service ID	X AN 1/40
				Identifying number for a product or service
Not Used	LIN08	235	Product/Service ID Qualifier	X ID 2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Not Used	LIN09	234	Product/Service ID	X AN 1/40
				Identifying number for a product or service
Not Used	LIN10	235	Product/Service ID Qualifier	X ID 2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Not Used	LIN11	234	Product/Service ID	X AN 1/40
				Identifying number for a product or service

Not Used	LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN15	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN17	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN19	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN21	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	X	ID 2/2

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			Product/Service ID (234)		
Not Used	LIN29	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN30	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN31	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		

Segment: **DTM** Date/Time Reference

Position: 100

Loop: LIN Mandatory

Level: Detail

Usage: Optional (Must Use)

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *Must use 2/DTM/100 to identify dates associated with the transaction.*

Data Element Summary

Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier		M ID 3/3
			Code specifying type of date or time, or both date and time		
			036	Expiration	
				Date coverage expires	
				<i>For subsistence items, use for asset status reports only to identify the expiration date of the reported material.</i>	
			090	Report Start	
				<i>Use in asset status inquiries to identify the start date for inventory reporting.</i>	
			091	Report End	
				<i>Use in asset status inquiries to identify the stop date for inventory reporting.</i>	
			106	Required By	
				<i>Use in asset status inquiries to identify the date by which a one-time asset status report is required.</i>	
			510	Date Packed	
				<i>For subsistence items, use for asset status reports to identify the date packed of the reported material.</i>	
			600	As Of	
				<i>Use for asset status reports to identify the close of business date associated with the inventory information.</i>	
Must Use	DTM02	373	Date		X DT 6/6
			Date (YYMMDD)		
Not Used	DTM03	337	Time		X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS,		

or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **REF** **Reference Identification**
Position: 140
Loop: LIN Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number <i>Use to identify the transaction number.</i>	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	DD Demand Detail
Position:	250
Loop:	LIN Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To describe the type of demand and the intended use of material
Syntax Notes:	<ol style="list-style-type: none"> 1 If DD02 is present, then DD01 is required. 2 If any of DD03 DD04 or DD05 is present, then all are required. 3 If DD06 is present, then DD05 is required. 4 If DD10 is present, then DD09 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 DD08 transmits the stock level indicator. A "Y" indicates that the material is normally carried in stock; an "N" indicates that the material is not normally stocked.
Comments:	
Notes:	<i>Use only when reporting information below the wholesale distribution system.</i>

Data Element Summary				
	Ref.	Data		
	Des.	Element	Name	Attributes
Not Used	DD01	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	
Not Used	DD02	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
Not Used	DD03	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	DD04	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	DD05	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	
Not Used	DD06	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
Not Used	DD07	380	Quantity	O R 1/15
			Numeric value of quantity	
Must Use	DD08	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	
			N No	
			Y Yes	
Not Used	DD09	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	
Not Used	DD10	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	

Segment: **LM** **Code Source Information**

Position: 260

Loop: LM Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To transmit standard code list identification information

Syntax Notes:

Semantic Notes:

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: *Use this 2/LM/260 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	LM01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
Not Used	LM02	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment: **LQ** **Industry Code**
Position: 270
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	LQ01	1270	Code List Qualifier Code	O ID 1/3
			Code identifying a specific industry code list	
		0	Document Identification Code	
			Codes that subclassify a transaction	
		EA	Asset Status or Transaction Reporting Code	
			Type of reporting required and whether a request is for commencement, change, or termination of reporting	
			<i>Use to identify the type of asset status report required.</i>	
Must Use	LQ02	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	

Segment: **QTY** Quantity
Position: 320
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
Semantic Notes:
Comments:

Notes: *Use multiple iterations of the 2/QTY/320 loop, as needed, in asset status reports only to stratify inventory values and Unique Item Tracking (UIT) information by material classification.*

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>M</u> <u>ID</u> <u>2/2</u>
Must Use	QTY01 673 Quantity Qualifier	

Code specifying the type of quantity

17 Quantity on Hand

Use to identify the on hand quantity.

BA Due-In

An anticipated receipt quantity

Use to identify the total quantity reflected as due-in on inventory records.

BQ Backorder Quantity

Use to identify the total quantity reflected as backordered on inventory records.

V1 Retention Quantity

Use to identify the retention level.

XJ Other War Reserve Material Requirements
Protectable (OWRMRP) Quantity

Total of all War Reserve material to be protected

Use to identify the quantity intended to provide the interim support essential to sustain operations until resupply can be effected.

XU Reserved

Use to identify the total quantity reflected as reserved for special projects or programs on inventory records.

XV Requisitioning Objective

XY Safety Level

YA Total Demand Quantity

				Sum total of all demands
			YB	Total Demand Orders
				Total number of demand transactions reflected in total demand quantity
			YW	Reorder Point Quantity
				Quantity at which a reorder should take place
Must Use	QTY02	380	Quantity	M R 1/15
				Numeric value of quantity
				<i>Express as a whole number with no decimals.</i>
Not Used	QTY03	C001	Composite Unit of Measure	O
				To identify a composite unit of measure (See Figures Appendix for examples of use)
Not Used	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Not Used	C00102	1018	Exponent	O R 1/15
				Power to which a unit is raised
Not Used	C00103	649	Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Not Used	C00105	1018	Exponent	O R 1/15
				Power to which a unit is raised
Not Used	C00106	649	Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Not Used	C00108	1018	Exponent	O R 1/15
				Power to which a unit is raised
Not Used	C00109	649	Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Not Used	C00111	1018	Exponent	O R 1/15
				Power to which a unit is raised
Not Used	C00112	649	Multiplier	O R 1/10
				Value to be used as a multiplier to obtain a new value
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2

			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	

Segment: **LM** **Code Source Information**
Position: 375
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes: *Use the 2/LM/375 loop for asset status reports only to identify Agency unique coded data related to the characteristics and coding requirements for the transaction.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 376
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>	
Must Use	LQ01	1270	Code List Qualifier Code	O	ID 1/3
			Code identifying a specific industry code list		
			<i>Use one of codes 99 or A1 (but not both) as appropriate.</i>		
		83	Supply Condition Code		
			Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable		
		87	Subsistence Type of Pack Code		
			A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items		
			<i>Use only for subsistence items to identify subsistence type of pack information.</i>		
		99	Purpose Code		
			Codes that inform the material owner why an inventory balance is being reserved		
		A1	Ownership Code		
			Items included in the inventory records of an organization that is not the owner of the items		
Must Use	LQ02	1271	Industry Code	X	AN 1/30
			Code indicating a code from a specific industry code list		

Segment:	LS Loop Header
Position:	380
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To indicate that the next segment begins a loop
Syntax Notes:	
Semantic Notes:	<p>1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.</p>
Comments:	1 See Figures Appendix for an explanation of the use of the LS and LE segments.
Notes:	<i>Use in each 2/QTY/320 loop to prevent a syntax error in the use of the 2/REF/390 loop.</i>

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use	LS01 447 Loop Identifier Code	M AN 1/4
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	<i>Cite REF to indicate the 2/REF/390 loop.</i>	

Segment:	REF Reference Identification
Position:	390
Loop:	REF Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>Use the 2/REF/390 loop in asset status reports to provide Unique Item Tracking (UIT) information when inventories are segregated in this manner.</i>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BT Batch Number	
			<i>Use to identify the batch number or other number identifying the production run.</i>	
			LT Lot Number	
			<i>Use for the manufacturer's lot number.</i>	
			SE Serial Number	
			<i>Use to identify a unique item identifier.</i>	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	

Not Used	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04006	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **DTM** **Date/Time Reference**

Position: 400

Loop: REF Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify pertinent dates and times

Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *Use multiple repetitions to identify dates related to UIT.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			094 Manufacture	
			<i>Use to identify the date of manufacture for the material reported.</i>	
			512 Warranty Expiration	
			<i>Use to identify the warranty expiration date associated with the material reported.</i>	
Must Use	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **N1** Name
Position: 410
Loop: REF Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: *Use to identify the manufacturer of the UIT item.*

Data Element Summary

	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code		M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
			MF Manufacturer of Goods		
Not Used	N102	93	Name		X AN 1/35
			Free-form name		
Must Use	N103	66	Identification Code Qualifier		X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			33 Commercial and Government Entity (CAGE)		
Must Use	N104	67	Identification Code		X AN 2/20
			Code identifying a party or other code		
Not Used	N105	706	Entity Relationship Code		O ID 2/2
			Code describing entity relationship		
Not Used	N106	98	Entity Identifier Code		O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		

Segment:	LE Loop Trailer
Position:	440
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To indicate that the loop immediately preceding this segment is complete
Syntax Notes:	
Semantic Notes:	<p>1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.</p>
Comments:	1 See Figures Appendix for an explanation of the use of the LE and LS segments.
Notes:	<i>Use in each 2/QTY/320 loop to terminate any 2/REF/390 loop iteration.</i>

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	LE01	447	Loop Identifier Code	M AN 1/4
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
			<i>Repeat the content of 2/LS/380.</i>	

Segment:	N1 Name
Position:	450
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	1. Must use this 2/N1/450 loop to identify the organization to receive the transaction. Use multiple iterations of the 2/N1/450 loop to identify all transaction recipients. 2. Use to identify the storage location.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	N101	98 Entity Identifier Code	M	ID 2/2
		Code identifying an organizational entity, a physical location, or an individual		
		Use only one of codes SB or Z4.		
		LG Location of Goods		
		Use for asset status reports to identify the asset storage organization when different from the organization originating the transaction set.		
		PK Party to Receive Copy		
		SB Storage Area		
		Use to indicate a depot or storage activity.		
		Z4 Owning Inventory Control Point		
		An inventory control organization responsible for management of a particular item		
Not Used	N102	93 Name	X	AN 1/35
		Free-form name		
Must Use	N103	66 Identification Code Qualifier	X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		1 D-U-N-S Number, Dun & Bradstreet		
		9 D-U-N-S+4, D-U-N-S Number with Four Character		

				Suffix
		10		Department of Defense Activity Address Code (DODAAC)
		M4		Department of Defense Routing Identifier Code (RIC)
				An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions
Must Use	N104	67	Identification Code	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
	N106	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

TO

Message To

Use with 2/N101/450 codes SB or Z4 to indicate the organization cited in N104 is to receive the transaction.

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one cited in ST02.</i>	